A. Permit Certificate

MUNICIPAL
WASTEWATER-LAND APPLICATION PERMIT
LA-000021-02

Carey Water and Sewer District, P.O. Box 187, Carey, ID 83320 AND IN Township 2S, Range 21E, Section 2 IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **April 13, 2009**.

Doug Howard
Twin Falls Regional Office Administrator
Idaho Department of Environmental Quality

Date: 4-13-04

DEPARTMENT OF ENVIRONMENTAL QUALITY
601 Pole Line Road, Suite 2
Twin Falls, Idaho 83301
(208) 736-2190
(208) 736-2194 (fax)

A. Permit Certificate

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (Operation and Maintenance Manual)

The Sections, Appendices, and References listed on this page are all elements of Wastewater-Land Application Permit LA-000021-02 and are enforceable as such. This permit does not relieve the Carey Water and Sewer District, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practice(s)
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. *Permit Limits and Conditions.*
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. *Permit Limits and Conditions*.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – November 01 through March 31 (150 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)

C. Abbreviations, Definitions

SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Carey Water and Sewer District
Type of Wastewater	Municipal Wastewater
Method of Treatment	Aerated Lagoons, Slow Rate Land Treatment
Type of Facility	Municipal
Facility Location	Carey, Idaho
Legal Location	Township 2S, Range 21E, Section 2
County	Blaine
USGS Quad	Carey
Soils on Site	Clay Loam
Depth to Ground Water	96 feet based on area well logs
Beneficial Uses of Ground Water	Agriculture, Drinking Water
Nearest Surface Water	The Little Wood River crosses the land application site.
Beneficial Uses of Surface Water	Agriculture, Recreation
Responsible Official Mailing Address **Phone / Fax**	Craig Patterson: Carey Water and Sewer District Board Chairman Bob Simpson: Plant Operator P.O. Box. 187 Carey, Idaho 83320 (208) 823-4014 / (208) 823-4422
Facility Consultants Mailing Address **Phone / Fax**	Rex Harding JUB Engineers Twin Falls, Idaho (208) 733-2414

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-021-01 **O&M Manual** **1 year after permit issue date**	An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance.
CA-021-02 **Seepage Rate Testing** **As specified**	Conduct seepage rate testing in accordance with DEQ procedures (refer to guidance on DEQ internet site) or a method approved by DEQ for Cell 1 (1st aeration lagoon), Cell 2 (2nd aeration lagoon), Cell 3 (settling/storage lagoon), and Cell 4 (chlorine contact cell). Six months after the permit issue date: ▪ Submit seepage rate test protocol for DEQ review and approval. One year after DEQ approval of test protocol: ▪ Complete seepage rate test and submit results for DEQ review and approval. DEQ practice generally allows 0.125 inches/day or less for wastewater structures or ponds. If a structure or pond does not meet these seepage requirements, submit a plan and schedule within 90 days after obtaining test results, for DEQ review and approval, to either repair, replace, or abandon the structure or pond.
CA-021-03 **Disinfection Demonstration and Revised Land Application Acreage** **3 months after permit issue date**	Demonstrate ability of the liquid chlorination system to consistently meet 23 total coliform/100 mL disinfection level as outlined in Section F. Permit Limits and Conditions. For the demonstration, collect and analyze daily grab samples of chlorinated wastewater effluent (maximum frequency of once per day) until three (3) consecutive analyses show a total coliform level of 23/100 mL or less. Sampling may be conducted during discharge under Carey's NPDES permit or with recycle of chlorinated effluent back to Carey's lagoon system. Submit all analysis results and a description of the testing protocol for DEQ review and approval. The testing protocol should include: how the chlorination system was operated during the demonstration, how and where samples were collected, if effluent was discharged or recirculated, and how Carey plans to operate the chlorination system during periods of wastewater land application. Determine the acreage to be utilized for wastewater land application while meeting the buffer zone requirements and disinfection levels as outlined in

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
	Section F. Permit Limits and Conditions. Submit, for DEQ review and approval, a site plan identifying the proposed wastewater land application acreage and a short report describing how the acreage was determined and how buffer zone requirements will be met.
CA-021-04 **Wastewater Flow Meter** **As specified**	Six months after the permit issue date: ▪ Submit plans and specifications for DEQ review and approval for installation of a flow meter to measure the flow of wastewater to the land application site. One year after the permit issue date: ▪ Complete installation of wastewater flow meter.

F. Permit Limits and Conditions

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Municipal Wastewater
Application Site Area	Total site (wastewater and supplemental irrigation water) is 140 acres. Acreage to receive wastewater is approximately 62 acres (to be finalized through Compliance Activity CA-021-03).
Application Season	Growing Season only
Growing Season (GS)	April 1 – October 31 (214 days)
Non-Growing Season (NGS)	November 1 – March 31 (150 days)
Reporting Year for Annual Loading Rates	November 1 – October 31
Maximum Hydraulic Loading Rate, Growing Season (includes wastewater and supplemental irrigation water)	Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
No Runoff	No runoff is allowed from any site or fields used for wastewater land application except after a 25-year, 24-hour storm event or greater using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 "Isopluvials of 25-YR, 24-HR Precipitation". For this site, the 25-year, 24-hour event is 2.2 inches.
Ground Water Quality	Ground Water Quality shall be in compliance with the *Idaho Ground Water Quality Rule* IDAPA 58.01.11
Maximum COD Loading, seasonal average in Pounds / acre-day, each HMU	50 pounds/acre-day seasonal average
Maximum Nitrogen Loading Rate, pounds / acre-year, each HMU (from	150% of typical crop uptake (see definition), or UI Fertility Guide

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
all sources including waste solids and supplemental fertilizers).	
Maximum Phosphorus Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).	None. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site.
Allowable crops	Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed.
Fencing and Posting	Signs shall be posted every 500 feet along Highway 93 designating the fields as wastewater reuse areas or equivalent.
Supplemental Irrigation Water Protection	For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices are required.
Odor Management	The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors.
Buffer Zone and Disinfection Requirements	Buffer Zone Distance and Disinfection Level requirements are summarized at the end of this Section. In addition to those listed, a buffer distance of 50 feet is required between areas of land application and man-made surface waters (canals). The Little Wood River crosses the land application site. During periods of water flowing in the Little Wood River, a 100 foot buffer distance between areas of land application and this surface water must be maintained.

F. Permit Limits and Conditions

Buffer Zone Distances (based on sprinkler irrigation)	Disinfection Level* (total coliform)	Distance to Public Access	Distances to Inhabited Dwellings	Distance to streams	Distance to private water sources	Distance to public water sources	Single sample maximum total coliform level
	23 /100 ml	50 feet	300 feet	100 feet	500	1000	240/100ml

*Compliance determination method for disinfection requirement is as follows:

- For determining compliance with the 23 / 100 ml disinfection level, the median value of the last five (5) results must not exceed 23 / 100 ml. In addition, no single sample value shall exceed 240 / 100 ml.

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed.
2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) Three (3) soil samples shall be collected at each of 10 sample locations, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at 0-12 inches from each of the 10 sample locations shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches and one for 24-36 inches for each soil management unit.
7) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily (when land applying)	Flow Meter	Volume of Wastewater Land Applied	Gallons/Day, Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Daily	Flow Meter or Calibrated Pump Rate	Supplemental Irrigation Water	Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Weekly (when land applying)	Wastewater at Discharge Point to Land Application (before mixing with Supplemental Irrigation Water)	Grab Sample	Total Coliform
Monthly (when land applying)	Discharge Point of Wastewater to Land Application	Grab Sample	Total Kjeldahl Nitrogen, Nitrate+Nitrite-Nitrogen, Total Dissolved Solids, pH, Chemical Oxygen Demand, Total Phosphorus
Annually	Supplemental Irrigation Water at Diversion	Grab Sample	Total Kjeldahl Nitrogen, Nitrate+Nitrite-Nitrogen, Total Dissolved Solids, pH, Chemical Oxygen Demand, Total Phosphorus

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
First and Last (fifth) Years of Permit	Soil monitoring unit	Composite soil sample	Electrical Conductivity, SAR, Nitrate-N, Ammonium-N, pH, DTPA Fe, DTPA Mn, Plant Available Phosphorus (use Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5)
Annually	Hydraulic management unit	Acres used for wastewater land application	Acres
Annually	Hydraulic management unit	Crop Type and Crop Yield	tons/acre, lbs/acre, or bushels/acre
Annually	Hydraulic management unit	Calculate Irrigation Water Requirement for Crop Grown	Volume (inches/acre and total gallons) for each month
Annually	Hydraulic management unit	Combined wastewater and supplemental irrigation water hydraulic loading rate	Volume (inches/acre and total gallons) for each month
Annually	Hydraulic management unit	Wastewater COD loading	COD applied in lbs/acre-day
Annually	Hydraulic management unit	Total nitrogen and phosphorus load from wastewater application	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Hydraulic management unit	Total nitrogen and phosphorus load from all other sources including fertilizer and supplemental irrigation water	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Hydraulic management unit	Crop Nutrient Uptake from Crop Tissue Analysis or from standard tables for Crop Type and yield	Nitrogen and phosphorus uptake in lbs/acre-year (dry basis)

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year from January 1 through December 31. The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-236-6160

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-236-6160

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

a. Apply wastewater as evenly as practicable to the treatment area;
b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

a. Enter the permitted facility,
b. Inspect any records that must be kept under the conditions of the permit.
c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

i. A description of the non-compliance and its cause;

ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code " 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23..

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-002101	Land Application Site	140 (Note 1)

1. Total site (for wastewater and supplemental irrigation water land application) is 140 acres. Acreage to receive wastewater is approximately 62 acres (to be finalized through Compliance Activity CA-021-03).

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-002101	Wastewater at Discharge Point to Land Application

SOIL MONITORING UNITS

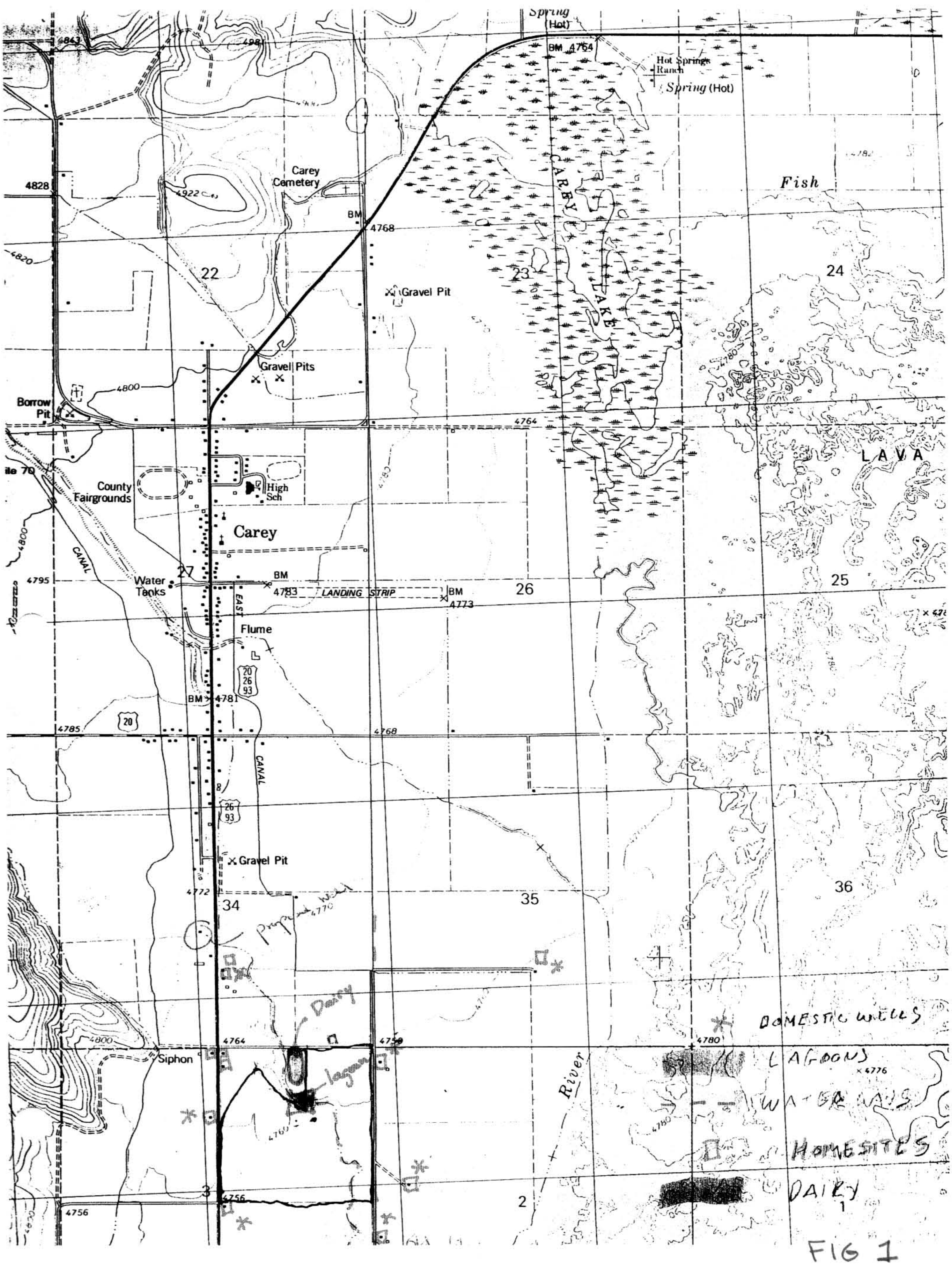
Serial Number	Description	Associated MU
SU-002101	Acreage receiving wastewater land application.	MU-002101

SUPPLEMENTAL IRRIGATION WATER SAMPLING POINTS

Serial Number	Description
SI-002101	Supplemental Irrigation Canal Water

Appendix 2
Site Maps

Figure 1: Regional Map (USGS map)
Figure 2: Buffer Objects Map
Figure 3: City of Carey Well Delineation and Potential Contamination Locations
Figure 4: Land Application Site Map



Spring (Hot)
BM 4764
Hot Springs Ranch
Spring (Hot)
4843
4828
4922
Carey Cemetery
BM 4768
4820
22
23
24
Gravel Pit
Fish
CAREY LAKE
Gravel Pits
4780
4800
Borrow Pit
4764
LAVA
County Fairgrounds
High Sch
Carey
CANAL
4800
4795
Water Tanks
27
BM 4783
LANDING STRIP
BM 4773
26
25
EAST
Flume
20 26 93
BM 4781
4785
20
4768
CANAL
26 93
Gravel Pit
4772
34
35
36
proposed well
4770
Dairy
4800
4764
4756
4780
Siphon
lagoon
River
4776
DOMESTIC WELLS
LAGOONS
WATER WAYS
HOMESITES
DAIRY
3
4756
4756
2
1

FIG 1

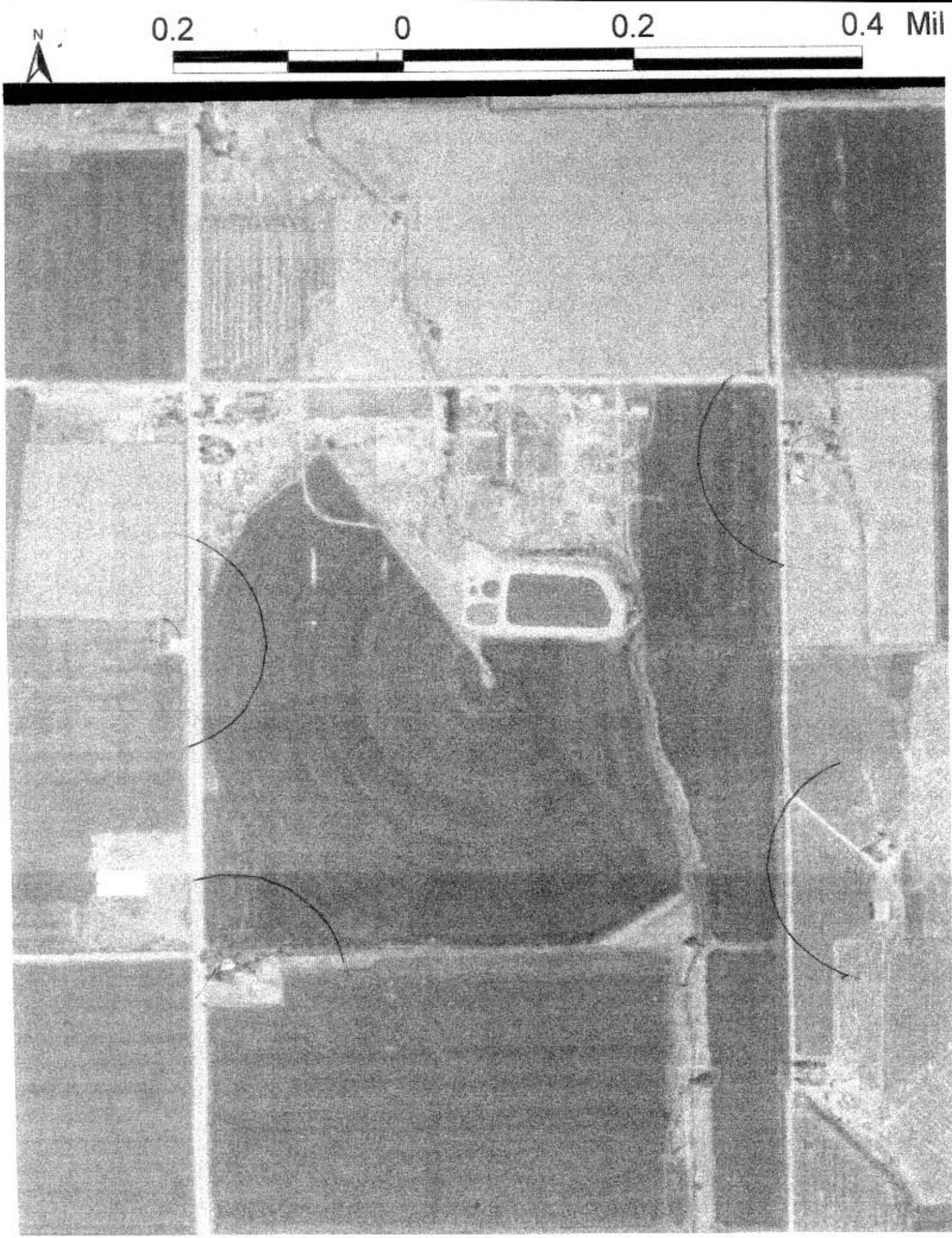
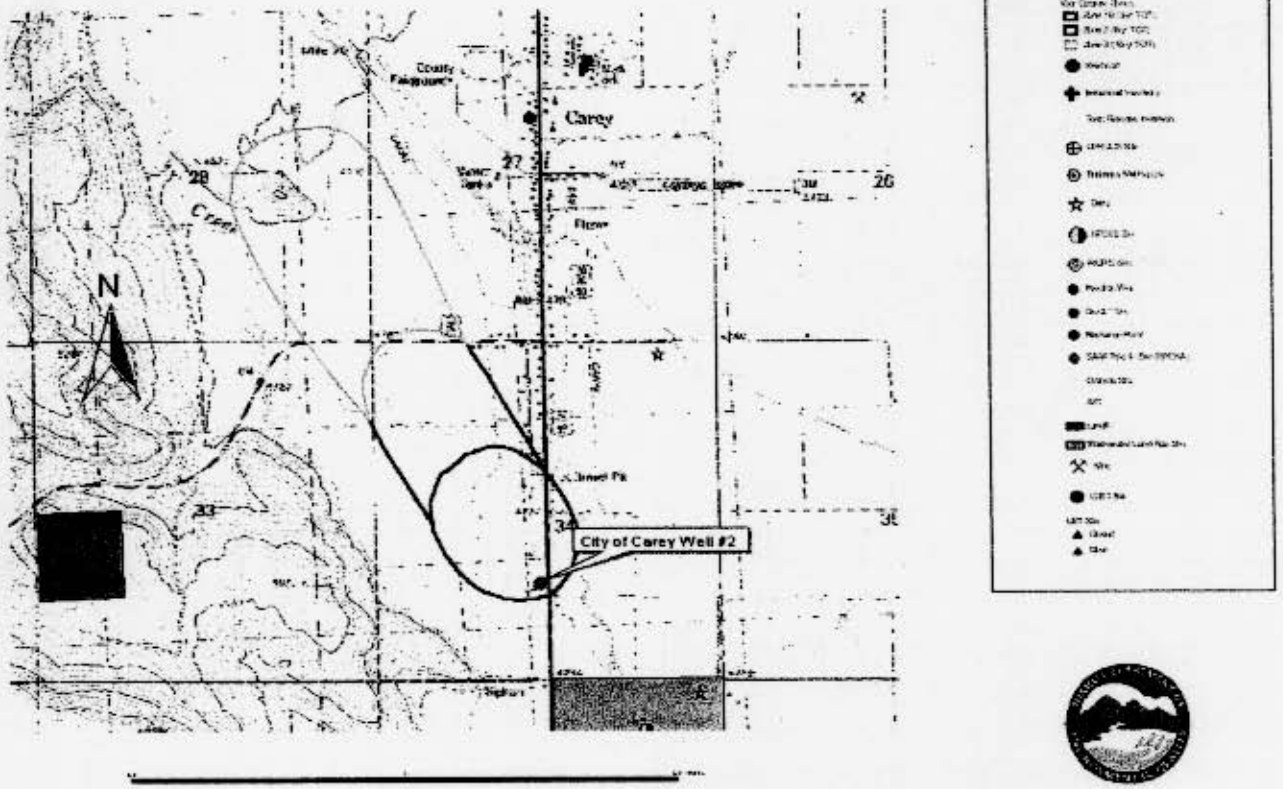


FIG 2

Figure 3. City of Carey Well Delineation and Potential Contaminant Locations



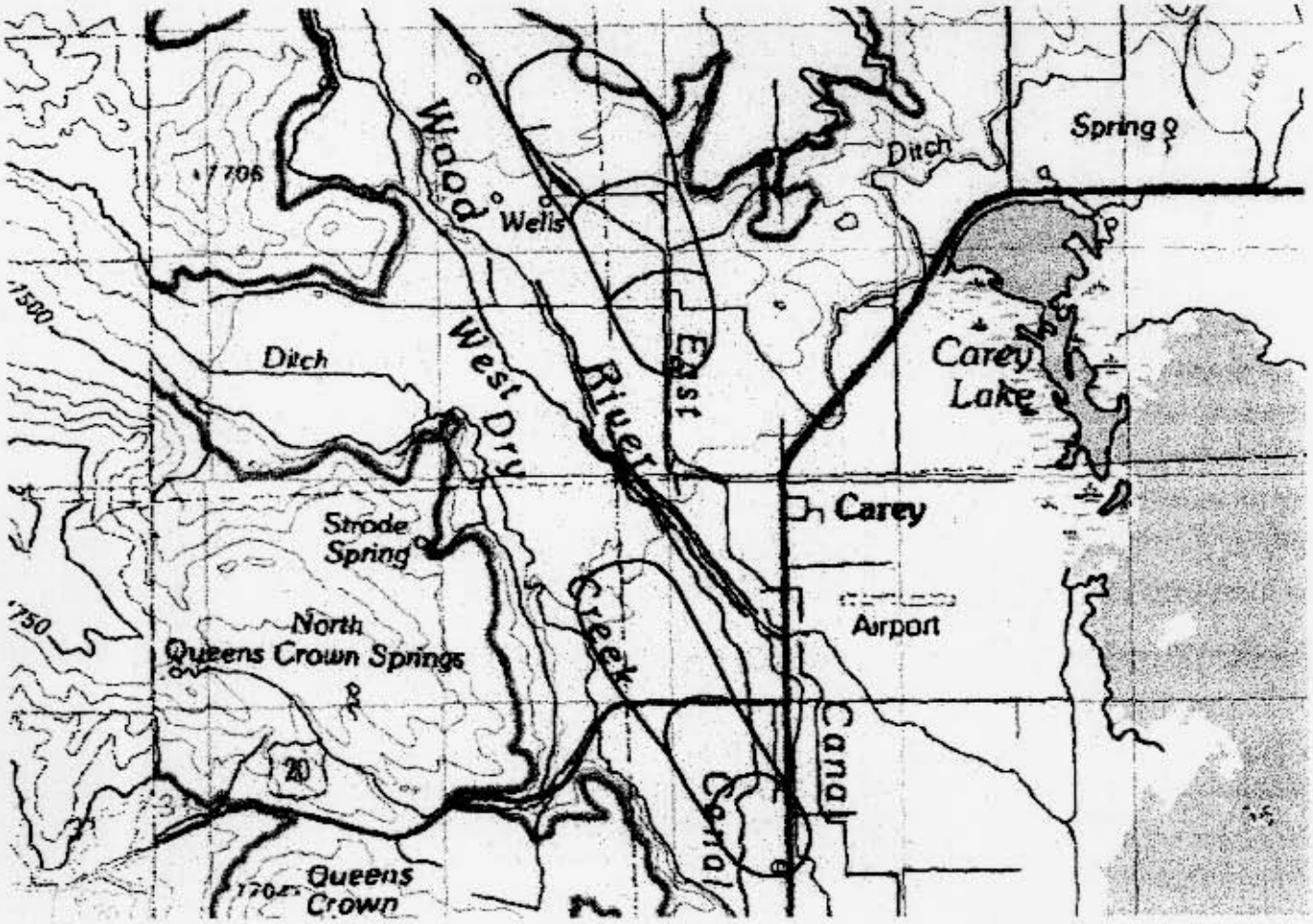


FIG 3

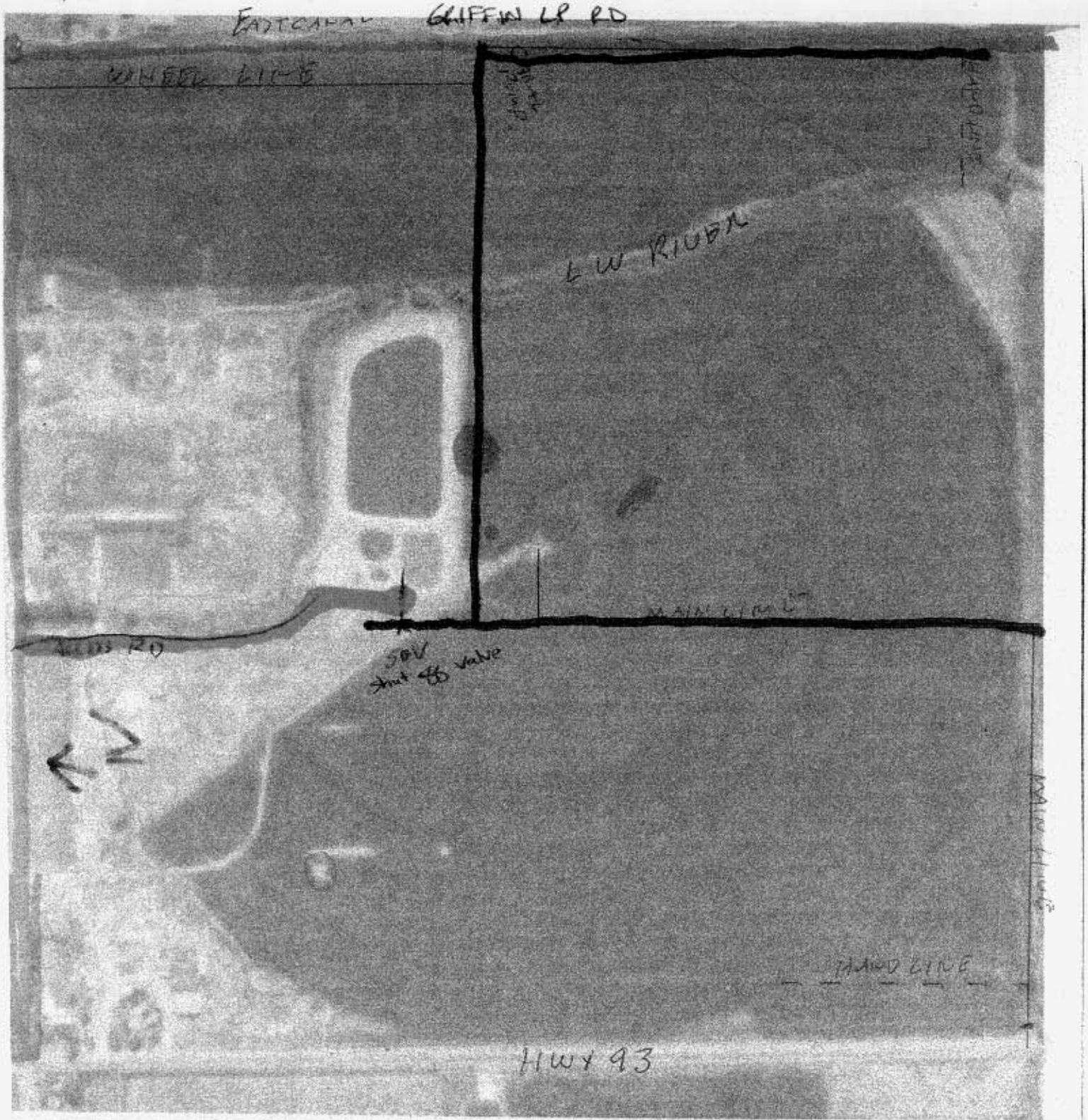

GRIFFIN LP RD
L W RIVER
MAIN LINE
SBV
Shut off valve
HWY 93
L.W. RIVER
IRG CANAL
HWY 93
GRIFFIN LP RD
ACCESS RD
MAIN LINE

FIG 4